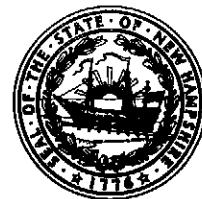




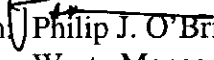
State of New Hampshire
DEPARTMENT OF ENVIRONMENTAL SERVICES

6 Hazen Drive, P.O. Box 95, Concord, NH 03302-0095
(603) 271-2900 FAX (603) 271-2456



July 2, 1999

To: Interested Parties

From:  Philip J. O'Brien, Ph. D., Director
Waste Management Division
Department of Environmental Services

Subject: Certified Waste-Derived Product No. 9, Propat®, auto shredder residue stabilized with kiln dust- Alternative Daily Cover for RCRA Subtitle D Lined Landfills

Pursuant to Env-Wm 3207.05 and Part Env-Wm 3208 of the New Hampshire Solid Waste Rules (Rules), the Department of Environmental Services, Waste Management Division (Department) has added Propat®, auto shredder residue stabilized with kiln dust- Alternative Daily Cover for RCRA Subtitle D Lined Landfills (product) made with non-metallic auto shredder residue and cementitious kiln dust (wastes) to the Department's list of certified waste derived products. Use of the wastes must adhere to Env-Wm 3202.04 of the Rules which are designed to protect public health and the environment. Before using the waste(s) to produce the product, be sure to note any specifications or restrictions that have been placed on the use, storage, handling, and production of the waste(s) and/or product. **Ten (10) specifications and / or restrictions are attached.**

For any person producing this product at the site of waste generation, the product may be produced without obtaining a solid waste permit, i.e., the activity is permit-exempt per Env-Wm 2208.03. Note that this permit exemption applies only to the generator of the waste(s).

For all others who wish to produce the product using waste from off-site locations, a permit-by-notification is required for each processing location per Env-Wm 2207.04.

This certification granted by the Department shall not affect the applicant's obligation to obtain all requisite federal, state, or local permits, licenses or approvals, or to comply with all other applicable federal, state, district or local permits, ordinances, laws or approvals or conditions pertaining to the approved activity.

For permitting information and questions, please call the Department's Permitting and Design Review Section at (603) 271-2935 for assistance.

cc: PDRS CWDP File



Certified Waste-Derived Product No. 9
Propat®, auto shredder residue stabilized with kiln dust-
Alternative Daily Cover for RCRA Subtitle D Lined Landfills
Specifications and Restrictions

- (1) This product consists of non-metallic auto shredder residue stabilized with cementitious kiln dust, and is to be used as alternative daily cover at RCRA Subtitle D Lined Landfills;
- (2) The product shall possess the characteristics required to achieve the performance objectives of Env-Wm 2506.03(a) of the Rules and 40CFR 258.21;
- (3) The use of this product shall be in accordance with the receiving facility's existing permit conditions;
- (4) The receiving facility shall maintain records indicating the quantities and sources of product received at the facility. Quality data, per Specification and Restriction (9), shall be tracked separately for each source;
- (5) The contaminant concentrations of the permitted shredder residue shall conform to the following:
 - The material shall not be a hazardous waste;
 - TPH concentration shall not exceed 60,000 ppm by weight;
 - Cadmium concentration shall not exceed 80 ppm by weight and pass TCLP;
 - Lead concentration shall not exceed 2000 ppm by weight and pass TCLP;
 - PCB concentration shall not exceed 50 ppm by weight;
 - Total SVOC concentration shall not exceed 100 ppm by weight (exempt from Hazardous Waste Mixture Rule for non water soluble phthalates per the March 3, 1999 Department letter to W.Z. Baumgartner & Associates, Inc., Franklin, Tennessee); and
 - VOC concentrations, as tested per SW 846, 8260B, shall pass the hazardous waste mixture rules, on a solids concentration basis, in



accordance with Env-Wm 404.01 of the New Hampshire Hazardous Waste Rules;

- (6) Particle size shall be less than 1.5 inches;
- (7) The product shall be applied to interior slopes only;
- (8) The product shall not be stored on the ground in areas outside of the landfill footprint. All precipitation which contacts the permitted shredder residue shall be managed as leachate;
- (9) The product shall be tested **on a quarterly basis** for the contaminants listed in Specification and Restriction (5). Separate sampling and analyses shall be conducted for each source of material used during each month. Sampling and Analysis shall be in accordance with SW 846;
- (10) If at any time the product fails to meet the basic performance objectives of Env-Wm 2506.03(a) and 40 CFR 258.21(b), then the product shall be covered with conventional earthen material.